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8. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Draftsperson.	wing Review(PTO-9	948) attached	
1) hereto or 2) to Paper No			
(b) \square including changes required by the proposed drawing correction filed $_$, which has bee	en approved by the E	xaminer.
(c) \square including changes required by the attached Examiner's Amendment / 0	Comment or in the O	office action of Paper N	No
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be each sheet. Replacement sheet(s) should be labeled as such in the margin accord			back) of
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGI attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT O			Note the
Attachment(s)			
1 ☐ Notice of References Cited (PTO-892) 5 ☐ N	otice of Informal Pat	tent Application (PTO	-152)
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3☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No	xaminer's Amendme	ent/Comment	
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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

With regard to instant claim 1, the reason for allowance is applicant's recited container having a heterogeneous structure, comprising a material with a barrier effect and a polymer material, wherein the material with a barrier effect is an amorphous carbon material with a polymer tendency which is disposed as a coating on a substrate made of the polymer material, said amorphous carbon material with a polymer tendency contains CH, CH² and CH³ bonds in the proportions of 15, 60 and 25, respectively, and the proportions of the electronic states sp³, sp² and sp are 53, 45 and 2 respectively. The prior art does not teach applicant's recited container.

The closest prior art, Nagahsima in view of Danzer et al., teach a container having a heterogeneous structure, comprising a material with a barrier effect and a polymer material, wherein the material with a barrier effect is an amorphous carbon material with a polymer tendency which is disposed as a coating on a substrate made of the polymer material. However, neither reference teaches or suggests said amorphous carbon material with a polymer tendency contains CH, CH² and CH³ bonds in the proportions of 15, 60 and 25, respectively, and the proportions of the electronic states sp³, sp² and sp are 53, 45 and 2 respectively. Furthermore, one of ordinary skill in the art would not have been motivated, to provide the missing six values to arrive at applicant's claimed invention.

Newly cited references, Dorfman (U.S. Patent No. 6,080,470) and Veerasamy (U.S. Patent No. 6,303,226 B1) are cited herein. Dorfman describes various

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proportions for the sp³ and sp² electronic states only (15-90 for sp³ and greater than 15% for sp², see column 22, lines 38-67) in a hard carbon material in a multi-layered structure. Veerasamy describes a hard diamond-like carbon with an sp³ content of at least about 35%, or 70%, or 80% (column 4, lines 41-58). However, neither reference discloses applicant's claimed amorphous carbon material with a polymer tendency contains CH, CH² and CH³ bonds in the proportions of 15, 60 and 25, respectively, and the proportions of the electronic states sp³, sp² and sp are 53, 45 and 2 respectively. Furthermore, one of ordinary skill in the art would not have been motivated, to provide the missing six values to arrive at applicant's claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Miggins whose telephone number is (571) 272-1494. The examiner can normally be reached on Monday-Friday; 1:30-10:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pyon Harold can be reached on (571) 272-1498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael C. Miggins

Examiner

Art Unit 1772,

MCM December 22, 2004